



UNITED STATES PATENT AND TRADEMARK OFFICE

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Encls  
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In re Patent Application of

WOOD et al.

Serial No. 09/701,747

Atty. Ref.: 620-123 TECH CENTER 1600/2900

National Phase of PCT/GB99/01743

Group: 1646

Filed: January 29, 2001

Examiner: BASI NIRMAL SINGH

For: ION CHANNELS

\* \* \* \* \*

April 29, 2002

Assistant Commissioner for Patents

Washington, DC 20231

Sir:

AMENDMENT

Responsive to the Office Action dated March 7, 2002, entry and consideration of  
the following amendments and remarks are requested.

IN THE CLAIMS:

Amend the claims as follows:

B1  
7. (Amended) A nucleic acid as claimed in claim 5 which encodes a SPASIC variant protein which (i) has ion channel activity, and (ii) comprises an amino acid sequence having at least 80% sequence identity with the full length sequence as shown in SEQ ID NO:2 .

B2  
9. (Amended) A nucleic acid as claimed in claim 7 which is an allelic variant.

B3  
16. (Amended) A method of identifying and/or cloning a nucleic acid which encodes a SPASIC variant protein which (i) has ion channel activity, and (ii) comprises an amino acid sequence having at least 80% sequence identity with the full length sequence as shown in SEQ ID NO:2 , or a nucleic acid which is capable of hybridizing with the complement of a nucleic acid comprising bases 292-1909 of SEQ ID NO:1 or a degeneratively equivalent sequence thereof under high stringency conditions of 0.1 x

16468  
BJS

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of  
WOOD et al.  
Serial No. 09/701,747  
Filed: January 29, 2001  
Title: ION CHANNELS



Atty Dkt. 620-123  
C# M#  
Group Art Unit: 1646  
Examiner: Basi  
Date: April 29, 2002

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**RESPONSE/AMENDMENT/LETTER**

This is a response/amendment/letter in the above-identified application and includes an attachment which is hereby incorporated by reference and the signature below serves as the signature to the attachment in the absence of any other signature thereon.

**Fees are attached as calculated below:**

Total effective claims after amendment	84	minus highest number	\$ 558.00
previously paid for	53	(at least 20) =	31 x \$ 18.00
Independent claims after amendment	5	minus highest number	\$ 0.00
previously paid for	5	(at least 3) =	0 x \$ 84.00
If proper multiple dependent claims now added for first time, add \$280.00 (ignore improper)			
Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$400.00/2 months; \$920.00/3 months)			
Terminal disclaimer enclosed, add \$ 110.00			
<input type="checkbox"/> First/second submission after Final Rejection pursuant to 37 CFR 1.129(a) (\$740.00)			
<input type="checkbox"/> Please enter the previously unentered , filed <input type="checkbox"/> Submission attached			
<b>Subtotal</b>			\$ 558.00
			-\$ 0.00
If "small entity," then enter half (1/2) of subtotal and subtract			
<input type="checkbox"/> Applicant claims "small entity" status. <input type="checkbox"/> Statement filed herewith			
\$ 0.00			
Rule 56 Information Disclosure Statement Filing Fee (\$180.00)			
\$ 0.00			
Assignment Recording Fee (\$40.00)			
\$ 0.00			
Other:			
<b>TOTAL FEE ENCLOSED</b>			\$ 558.00

The Commissioner is hereby authorized to charge any deficiency, or credit any overpayment, in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Account No. 14-1140. A duplicate copy of this sheet is attached.

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NIXON & VANDERHYE P.C.  
By Atty: B. J. Sadoff, Reg. No. 36,663

Signature: 